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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/702,543	11/07/2003	Minoru Senda	67162-029	8214
7590 12/10/2004 McDERMOTT, WILL & EMERY 600 13th Street, N.W. Washington, DC 20005-3096			EXAMINER	
			TRA, ANH QUAN	
			ART UNIT	PAPER NUMBER
			2816	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Astion Comment	10/702,543	SENDA, MINORU				
Office Action Summary	Examiner	Art Unit				
	Quan Tra	2816				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPITHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tin ply within the statutory minimum of thirty (30) day d will apply and will expire SIX (6) MONTHS from te. cause the application to become ABANDONE.	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. 8 133)				
Status	·					
1) Responsive to communication(s) filed on 07	November 2003.					
_	b)⊠ This action is non-final.					
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
 4) Claim(s) 1-5 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1,4 and 5 is/are rejected. 7) Claim(s) 2 and 3 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 						
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) □ ac	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
	Examiner. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list 	nts have been received. Its have been received in Application or the contraction of the c	on No ed in this National Stage				
Attachment(s)						
Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date Solution Sol						

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1, 4 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Ito (USP 6259612), Applicant's submitted IDS.

As to claim 1, Ito discloses in figure 2 a semiconductor device comprising a boosting circuit that supplies a power supply voltage (Vpp) during a standby state of the semiconductor device, the boosting circuit including a charge pump circuit (3), a first detection circuit (6) that detects an output voltage of the charge pump circuit, and a second detection circuit (1, IV1) that detects the output voltage of the charge pump circuit, the second detection circuit operating with a DC current greater than that of the first detection circuit (column 6, lines 57-59, teaches that the operational amplifier 61 is a low power consumption-type with a small operating current) and being activated by a detection signal of the first detection circuit, wherein the charge pump circuit is activated based on at least a detection signal of the second detection circuit.

As to claim 4, figure 2 shows that the second detection circuit generates a signal to inactivate the charge pump circuit based on a status in which the output voltage of the charge pump circuit reaches a predetermined voltage corresponding to the detection level of the second detection circuit.

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As to claim 5, figure 4 shows that a period (a high level period of signal OSCE) for which the second detection circuit is active is shorter than a period for which the first detection circuit is active (a high level of signal SOSCE).

Allowable Subject Matter

3. Claims 2 and 3 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 2 would be allowable because the prior art fails to teach or suggest that the detection level of the second detection circuit is higher than the detection level of the first detection circuit.

Claim 3 would be allowable because the prior art fails to teach or suggest that the charge pump circuit is activated based on a result of AND operation of the detection signals of the first and second detection circuits.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quan Tra whose telephone number is 571-272-1755. The examiner can normally be reached on 8:00 A.M.-5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Quan Tra

Primary Examiner

December 6, 2004